

5

CLAIMS:

1. An electrical sensing device comprising:
  - (a) a support;
  - (b) at least four sensors defining an opening through which a wire may be extended; and
  - (c) said sensors being supported by said support in a fixed spatial relationship.
2. The device of claim 1 wherein each of said sensors includes a wire wound torodial core.
3. The device of claim 1 wherein said openings of said sensors are oriented in a substantially parallel relationship with respect to each other.
4. The device of claim 1 wherein said support has a longitudinal axis and said openings of said sensors are substantially perpendicular to said longitudinal axis of said support.
5. The device of claim 1 wherein said openings of said sensors are oriented in a substantially perpendicular relationship with respect to the general alignment of said sensors.

10

15

20

25

- 5
6. The device of claim 1 wherein said sensors are aligned in only one substantially linear arrangement.
7. The device of claim 1 wherein said sensors are aligned in at least two substantially co-linear arrangements.
- 10
8. The device of claim 7 wherein at least two of said aligned sensors have a first linear arrangement and at least two others of said aligned sensors have a second linear arrangement.
- 15
9. The device of claim 1 wherein each of said sensors are maintained in a spatial arrangement opposed to respective circuit breakers.
10. The device of claim 1 wherein said sensors are arranged such that a respective housing at least partially surrounding each of said sensors has an overlapping region in a substantially perpendicular direction with respect to at least one of a longitudinal axis of said support and the general alignment of said sensors.
- 20
11. The device of claim 1 wherein said openings of said sensors are arranged in a non-overlapping relationship with respect to other said openings in a substantially perpendicular direction with respect to at least one of a
- 25

5

longitudinal axis of said support and the general alignment of said sensors.

12. The device of claim 1 wherein said openings of said sensors are arranged

in a non-overlapping relationship with respect to respective housings at

least partially surrounding each of said sensors in a substantially

10

perpendicular direction with respect to at least one of a longitudinal axis of

said support and the general alignment of said sensors.

13. The device of claim 1 further comprising

(a) a power panel;

15

(b) a plurality of circuit breakers within said power panel;

(c) said device within said power panel; and

(d) said sensors arranged in a spatial arrangement such that said

openings defined by said sensors are in a substantially directly

opposing relationship with respect to respective ones of said circuit

20

breakers.

14. The device of claim 1 wherein said sensors are split core sensors.

15. The device of claim 1 further comprising

25

(a) a connector supported by said support; and

5

- (b) a power monitor that receives a signal from said connector  
representative of the current levels of a wire sensed by one of said  
sensors.

10